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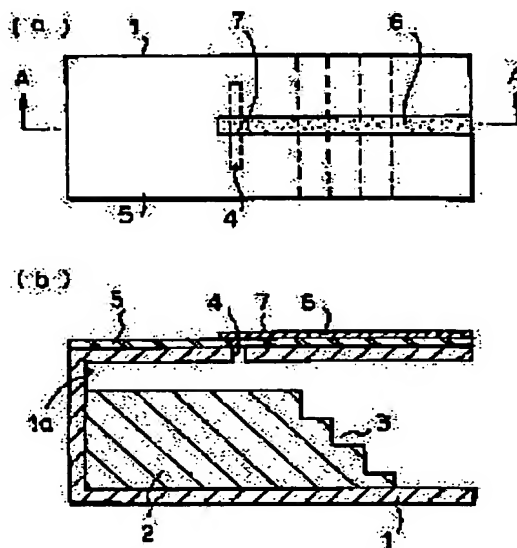
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(54) WAVEGUIDE-MICROSTRIP LINE CONVERTER

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the waveguide - microstrip line converter in which the converter is easily manufacture, the reliability and the productivity of the converter are improved and miniaturization is attained.

SOLUTION: A slot 4 is provided to a guide wall perpendicular to an electric field of a waveguide 1, a microstrip line 6 is arranged along the guide wall of the waveguide facing the slot 4, and the waveguide 1 and the microstrip line 6 are electromagnetically coupled via the slot 4. It is unnecessary to connect physically a probe to the microstrip line 6, manufacture is facilitated to enhance the productivity, position precision error due to soldering is prevented and the reliability is improved. Since the microstrip line is arranged along the guide lengthwise direction of the waveguide, the microstrip line is contained within the guide length range of the waveguide and miniaturization is realized.



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